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XXXI.

Elements of Culture specially characteristic of the Choroti, Ashluslay and kindred tribes.

The characteristic culture-elements of the Chaco are in the following table denoted by = +.

Table 4.

1)	Dwellings.	
	«Porch-entrance» to huts	+
2)	Beds	—
3)	Cultivated plants and agricultural implements	—
4)	Implements used in harvesting wild plants.	
	Hooks for gathering fruit	+
	Fork for digging caraguatá	+
	Implements for pulling up grass	+
5)	Hunting weapons and implements	—
6)	Weapons seldom or never used for hunting	—
7)	Fishing tackle.	
	Club for killing fish	+
	Needle for stringing fish	+
8)	Domestic animals and articles connected with them	—
9)	Tools.	
	Wooden knives (Shape from the mountain civilization)	+
	Wooden awls	+
10)	Implements for making fire	—
11)	Hearths and articles connected with them	—

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12) Implements and vessels used in the preparation and consumption of food.
- a) Used in the preparation of meal.
  - Earth mortars ..... +
- b) Cooking utensils ..... —
- c) Spit ..... —
- d) Vessels out of which food is eaten ..... —
- e) Implements with which food is eaten. —
  - Wooden knife used when eating watermelons +

13) Means of indulgence and articles in connection therewith: Pipe-cleaner ..... +
- Pipe-filter ..... +

14) Clothes ..... —

15) Articles connected with the deforming of the body —

16) Tattooing instruments. —

17) Ornaments for the body.
- Ankle bands of feathers ..... +
- Brow ornaments of human hair ..... +

18) Toilet articles ..... —

19) Apparatuses for carrying ..... —

20) Articles used for keeping things in.
- Bags of certain shapes ..... +

21) Games and playthings.
- Dolls made of toe-joints ..... +
- Tattooed dolls ..... +

22) Signalling and musical instruments, etc.
- Earthenware drum ..... +

23) Trophies ..... —

24) Property marks ..... —

25) Various kinds of handiwork.
- a) The making of rope and string and spinning —
- b) Sewing or the use of the eyed needle ..... —
- c) Knitting and plaiting
  - Technique (Fig. 60.3) ..... +
  - Technique (Fig. 60.6) ..... +
- d) Twisting of rope and string ..... —

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e)	Weaving	—
f)	Pottery	
	Armadillo tail for the polishing of earthenware	+
	Wooden tools for the polishing of earthenware	+
	Finishing and polishing of earthenware with resin	+
g)	Wood carving	—
h)	Bone and shell-bead work	—
i)	Carving and ornamentation of calabashes	.
j)	Feather work	—
k)	Leather work	—

Many of the characteristic culture-elements of the Chaco are adaptions due to the natural conditions prevailing there. Probably some of them have their origin elsewhere, though proof of this cannot be adduced.

As regards the shape and ornamentation of objects, details can be indicated in almost every article which are characteristic of the Choroti and Ashluslay, or at least of them and their above-mentioned kindred tribes. If a collection of objects from the Chiriguano and the Choroti were mixed together, I should be able to distinguish them without the least difficulty and without making a single mistake. On the other hand, if a number of Choroti and Ashluslay articles were mixed, I should not be able to make such a selection even with the aid of my large collections from these Indian tribes.

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XXXIII.

Culture-elements among the Choroti and Ashluslay, the origin of which it is at present impossible to fix.

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We have been able to select certain culture-elements which the Choroti and Ashluslay received from the whites, a large number of which evidently came to the Chaco from the western area of civilization; some, again, derived from the northern and some from the southern part of S. America; and finally, some which seem to be peculiar to the tribes of the Chaco. There are still, however, a large number of culture-elements left.

We know, for instance, from what quarter the Choroti and Ashluslay learned the use of the handle on earthenware; but we do not know whence the art of making earthenware came to them. The distribution of the handle is markedly western, while the art of making pottery in general has been known all around the Chaco. Of course the Chaco Indians need not necessarily have adopted the manufacture of earthenware from the western area of civilization because their pottery was plainly influenced from that quarter. The same holds good concerning their use of the calabash, spinning, etc.

There is, as we saw in the foregoing, a large number of culture-elements among the Choroti and Ashluslay concerning which the literature on the subject gives so little information that it is impossible, at present, to indicate their distribution on the map. Culture-elements of this kind are, for instance,

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network and dwellings. They are, accordingly, indicated in the following table.

Many culture-elements now occur almost everywhere in S. America where the natural conditions for their occurrence are found. Consequently, it is impossible to distinguish the source where the Choroti and Ashluslay have derived them. To this category belong most cultivated plants and many other certainly ancient elements of culture.

Table 6.

1)	Dwellings.	
	Chaco huts (Ancient element of culture)	+
	Cooking sheds (Distribution imperfectly known)	+
2)	Beds.	
	Rush mat. (Distribution imperfectly known)	+
3)	Cultivated plants and agricultural implements.	
	Maize	+
	Zapallo (Cucurbita)	+
	Cotton	+
	Beans	+
	Tobacco	+
	Calabash fruit	+
	Sweet potatoes	+
	Digging stick	+
	Club for breaking up clods (Distribution imperfectly known)	+
	Implement for seeding corn-cobs (Distribution imperfectly known)	+
4)	Implements used in harvesting wild plants	—
5)	Hunting weapons and implements.	
	Bow and arrow in general (ancient culture-elements)	+
	Arrow for shooting birds	+
	Bola	+
	Sling (Map 4)	+
	Wristlets used by bowman (Distribution imperfectly known)	+

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	Snares (Distribution imperfectly known)	+
6)	Weapons seldom or never used for hunting.	
	Bone dagger. (Distribution imperfectly known)	+
	Fire arrow	+
	Lance (Post-Columbian history imperfectly known)	+
	Leather armour (Post-Columbian history imperfectly known)	+
7)	Fishing tackle.	
	Fishing by means of damming the stream. (Distribution imperfectly known)	+
	Landing -net. (Distribution imperfectly known)	+
8)	Domestic animals.	
	Dog. (Pre-Columbian distribution imperfectly known)	+
9)	Tools.	
	Jaw of the palmeta	+
	Bone awl. (Distribution imperfectly known)	+
10)	Implements for making fire.	
	Do. made from wooden rods (ancient culture element.)	+
11)	Hearths and articles connected with them.	
	Wooden spit (Map 7) (ancient culture-element)	+
	Pit- oven. (Map 8)	+
12)	Implements and vessels used in the preparation and consumption of food	
	a) Used in the preparation of meal	—
	b) Cooking utensils in general	+
	c) Vessels out of which food is eaten	
	Use of the calabash in general	+
	d) Implements with which food is eaten	
	Mussel-shell spoon (Distribution imperfectly known)	+
	Calabash spoon (Distribution imperfectly known)	+
	Eating-brush (Distribution imperfectly known)	+
13)	Means of indulgence	
	Tobacco-pipe (Map 14)	+

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14) Clothes.
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Woven mantle (Post-Columbian history imperfectly known) ..... + 105
Women's garment; so-called «tipoy» ..... + 177

15) Articles connected with the deforming of the body
Ear-block. (ancient culture-element) (Map. 18) .. +

16) Tattooing (Map 19) ..... +

17) Ornaments for the body.
Necklace of bored teeth ..... +
Necklace and other ornaments of grains of corn, leather, etc ..... +
Rings of segments of the tail-skin of the lizard .... +

18) Toilet articles.
Stick-combs (in general) ..... +

19) Apparatus for carrying.
Carrying-net (ancient culture-element) (Map 25) .. +

20) Various articles for keeping things in ..... +

21) Games and playthings.
Cat-cradle game. (Distribution imperfectly known) +
Stilts (Distribution imperfectly known) ..... +
Bull-roarer (Distribution imperfectly known) .... +
Dolls in general ..... +

22) Signalling and musical instruments, etc.
Rattle gourd (Ancient culture element). (Map 31) +
Girdles of the claws of animals ..... +
Whistles in general ..... +
Flutes in general ..... +

23) Trophies.
Scalping ..... +

24) Property marks. (Map 34) ..... —

25) Various kinds of handiwork.
a) Manufacture of rope and string and spinning (in general) ..... +
b) Sewing or the use of the eyed needle ..... —
c) Knitting and netting.

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	Several kinds of knitting and netting. (Distribution imperfect-ly known)	+
	Mesh-stick (Distribution imperfectly known)	+
d)	Twisting of ropes and string (in general)	+
e)	Weaving	—
f)	Pottery (in general)	+
g)	Wood carving (in general)	+
h)	Bone and shell-bead work (in general)	+
i)	Carving and ornamentation of calabashes (in general)	+
j)	Feather-work (very imperfectly known)	+
k)	Leather-work (in general)	+